

## **DESIGN STATEMENT**

### **Project:**

Reconstruction of I-95 over West River

### **State Project No.:**

92-522

### **Federal Aid Project No.:**

BHI-95-1(163)

### **Towns:**

New Haven and West Haven

### **Construction District:**

ConnDOT District III – New Haven, CT

### **Federal Maintenance Responsibility**

Roadway Responsibility

I-95 NB & SB State of Connecticut

Ramps A, B, C, D State of Connecticut

Kimberly Avenue State of Connecticut

Ella T. Grasso Boulevard State of Connecticut

Sea Street City of New Haven

Howard Avenue City of New Haven

Fifth Street City of New Haven

Sixth Street City of New Haven

Compost Road Town of West Haven

### **Project Description**

The project includes replacement of Bridge No. 00163A, I-95 over West River in the Towns of New Haven and West Haven, CT, a 348m long, 28m wide, 12 span structure. The bridge will be widened to 43.2m to accommodate a 1.8m median, a 4.8m inside shoulder and three 3.6m lanes in each direction, a 3.6m outside shoulder in the northbound direction and a 4.2m acceleration lane and 2.4m shoulder in the southbound direction. Bridge No. 00163B, I-95 Southbound to Kimberly Avenue Ramp, will be demolished. Bridge No. 00164, I-95 over Ella T. Grasso Boulevard, a 37.8m long, 36.5m wide three span bridge will be replaced with a 31m long, 40.2m wide single span bridge.

The project also includes the reconstruction of 1420m of Interstate 95 from the I-95 over Amtrak Bridge to the west, to east of the Howard Avenue structure over I-95. Interchanges 44 and 45 that provide access to and from I-95 from Kimberly Avenue and Ella T. Grasso Boulevard will be reconstructed to eliminate redundant movements and poor weaving conditions. It is proposed to replace these two interchanges with a combined diamond interchange with the on and off ramps terminating on Ella T. Grasso Boulevard. Ella T. Grasso Boulevard will be extended to intersect with Kimberly Avenue to provide access to the south into West Haven. Inroads designs for horizontal and vertical geometry for all roadways are contained in Sections 2 and 3 respectively.

### **Permits**

The following State and Federal permit applications are required for construction of the project:

- CTDEP Structures & Dredging Permit (Permit approved)
- CTDEP Tidal Wetlands Permit (includes inland wetland discussion) (Permit approved)
- CTDEP 401 Water Quality Certification (Permit approval pending)
- CTDEP Coastal Management Consistency Review (Permit approved)
- CTDEP Flood Management Certification (Permit approved)
- CTDEP Inland Wetlands and Watercourses (Permit approved)
- ACOE Section 10/404 Permit (Permit approval pending)